New CDMM High Voltage Chip Divider in Molded Package Reduces Component Counts, Improves TC Tracking Performance; For Automotive and Industrial Equipment, Device Offers Maximum Working Voltage of 1500 V in 4527 Case Size

Product Benefits:
- Ribbed molded package
- High voltage to 1500 V
- 4527 case size
- Compliant surface-mount terminations
- AEC-Q200 qualified
- Wide resistance range from 500 kΩ to 50 MΩ
- Maximum resistance ratios to 500:1
- Tolerances down to ± 0.5 %
- Sulfur-resistant, RoHS-compliant, and halogen-free
- Temperature coefficient of ± 100 ppm/°C (not in datasheet)
- TCR tracking as low as ± 10 ppm/°C

Market Applications:
- High power DC/DC converters and inverters in electric automobiles and heavy industrial equipment and buses

The News:

Vishay Intertechnology introduces the industry’s first high voltage chip divider to be offered in a ribbed molded package with compliant surface-mount terminations. Designed to reduce component counts and improve TC tracking performance and ratio stability in automotive and industrial equipment, the Vishay Techno CDMM delivers a maximum working voltage of 1500 V in the 4527 case size.
- Consists of two resistors integrated into one molded package
  - Saves space by providing a single-component replacement for multiple discrete resistors used in voltage divider applications
- Compliant with IEC 60664-1, the device offers a 12.5 mm creepage distance and is rated at 1250 V
The Key Specifications:

- Case size: 4527
- Maximum working voltage: 1500 V
- Resistance range: 500 kΩ to 50 MΩ
- Resistance ratio range: 100:1 to 500:1
- Ratio tolerance: ± 0.5 %, ± 1 %, ± 2 %, and ± 5 %
- Temperature coefficient: ± 100 ppm/°C
- TCR tracking: ± 25 ppm/°C to ± 50 ppm/°C

Availability:
Samples and production quantities of the CDMM series are available now, with lead times of stock to 12 weeks.

To access the product datasheet on the Vishay Website, go to http://www.vishay.com/ppg?68041 (CDMM)

Contact Information:

THE AMERICAS
Krishna Gone
krishna.gone@vishay.com

EUROPE
Richard Steel
richard.steel@vishay.com

ASIA/PACIFIC
Victor Goh
victor.goh@vishay.com